NITFS
Compliance Registration

Product: GIPC Commercial DPPDB Baseline Version 5.22

Sponsor: Harris Corporation

Developer: Harris Corporation

Date: 3 September 2010
Expiration: 2 September 2012
Registration #: 368

☐ **System** ☐ **Product** ☒ **Component**
N-0105, §4.1.1   N-0105, §4.1.2   N-0105, §4.1.3

☐ Initial Registration
☒ Supplemental/Update #_ 361
☐ Derived from Reg. #___

Complexity Level

NITF 2.1 CLEVEL

		3		5	6	7
Interpret						
Generate						

NITF 2.0 CLEVEL

	1	2	3	4	5	6	Oth
Interpret							
Generate	▓	▓	▓	▓	▓	▓	

Configurations Tested:

-Windows XP Pro x64 SP2
- Dual Core AMD 2.21 GHz 2.75GB RAM

Legend
** NITF 2.0 only feature
* NITF 2.1 only feature
Interpret Generate ●◉ Fully implemented
◉◎ Partially implemented
○○ Not implemented

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.

Format

NITF
○○ 2.1
○● 2.0
○ 1.1

NSIF
○○ 1.0

Pixel Value Types
○○ Boolean
○● Integer
○○ Signed Integer *
○○ IEEE Real *
○○ IEEE Complex *

Annotation Segment Types
○○ Bit Mapped **
○● CGM, 2301
○○ CGM, 2301A
○ Labels **

Text Segments
○● STA
○○ UT1
○○ U8S
○○ MTF

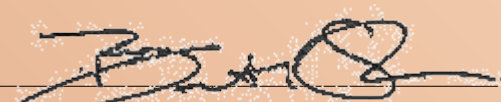## NITFS Features Implemented:

Image Segment Types
○● MONO
○○ RGB
○○ RGB/LUT
○○ YCbCr
○○ MULTI
○○ NODISPLY
○○ POLAR
○○ No Mask
○○ Mask

Image Compression
○○ No compression
○● JPEG Lossy, 8-bit
○○ JPEG Lossy, 12-bit
○○ JPEG Downsample
○○ JPEG Lossless
○○ JPEG 2000
　○○ Code Stream w/o JP2
　○○ Code Stream w/JP2
　○○ 1 Band
　○○ 3 Band RGB
　○○ 1 Band RGB/LUT
　○○ Multiband
○○ Bi-Level
○● Vector Quantization

Data Extension Segments
○● TRE_OVERFLOW
○○ STREAMING_FILE_HEADER
○◉ Controlled Extensions
　○● IMASDA　○● PSUPDA
　○● IMCBDA　○● PTPRAA
　○● IMRFCA　○● RGRDRA
　○● MSDIRA　○● SEGSPA
　○● PPRSDA　○● SISDDA
　○● PRADAA　○● SSDPDA
　○● PRADRA
○◉ Registered Extensions
　○● RPFDES　○● RPFIMG
　○● RPFHDR

Bit-Per-Pixel
○○ 1
○● 8
○○ 9-16
○○ 16
○○ 17-32
○○ 32
○○ 33-64
○○ 64

BRENT L. SNYDER, Lt Col, USAF, JTF Portfolio Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-Intelligence Agency for the NITFS Test and Evaluation Program